



## Mobil 1 Racing Oils

Mobil Passenger-Vehicle-Lube , United States

High performance motorsport formulas

### Product Description

Mobil 1 Racing 0W-30 and 0W-50 were developed specifically for racing engines and are not recommended for street use. These high performance, fully synthetic formulas are specially balanced for friction reduction and optimum horsepower with outstanding wear protection.

### Features and Benefits

Mobil 1 Racing oils are proprietary formulations of low viscosity synthetic base oils fortified with a precisely balanced component-blended additive system featuring high levels of anti-wear and friction reducing additives. This advanced protection is engineered to help deliver optimum horsepower with outstanding wear protection. Features and potential benefits include:

- Boosted levels of anti-wear protection -- well beyond those of ordinary automotive oils -- to help protect engines even during grueling racing applications.
- Helps to maximize power output by reducing internal friction.
- Outstanding shear stability and a robust additive package to help reduce oil breakdown and help to extend engine life, even under some of the most extreme conditions.
- Compared to conventional racing oils and higher-viscosity synthetic motor oils, it provides faster flow to critical engine parts at low temperatures
- Helps to deliver exceptional high-temperature protection, even at temperatures in excess of 400 degrees F (204 C)

### Applications

Mobil 1 Racing 0W-30 and 0W-50 are recommended for a wide range of race engine applications. Note: Mobil 1 Racing 0W-30 and 0W-50 are not recommended for street use.

- Mobil 1 Racing 0W-30 and 0W-50 are recommended for a wide range of race engine applications including highly loaded flat tappet designs such as NASCAR Cup engines.
- Mobil 1 Racing 0W-30 and 0W-50 are designed for use by professional, amateur and weekend racers.
- Mobil 1 Racing oils are not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

### Properties and Specifications

Property	0W-30	0W-50
Grade	SAE 0W-30	SAE 0W-50
Ash, Sulfated, mass%, ASTM D874	1.3	1.3
Density @ 15.6 C, g/ml, ASTM D4052	0.85	0.85
Flash Point, °C, ASTM D92	217	221
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.3	3.8
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	11.5	17.2
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	63.5	100

Property	0W-30	0W-50
Pour Point, °C, ASTM D97	-54	-54
Viscosity Index, ASTM D2270	178	189

## Health and Safety

<http://www.msds.exxonmobil.com/psims/psims.aspx> Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @

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